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APPLICATION	NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/775,708		02/10/2004	Sik-Leung Chan	CHU/284/US	3855
2543	7590	06/07/2006		EXAMINER	
ALIX Y	ALE & RI	STAS LLP	GABLER, PHILIP FRANCIS		
750 MAI SUITE 1	IN STREET 400		ART UNIT	PAPER NUMBER	
HARTFO	ORD, CT	06103	3637		
				DATE MAILED: 06/07/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
•		10/775,708	CHAN, SIK-LEUNG				
	Office Action Summary	Examiner	Art Unit				
		Philip Gabler	3637				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address				
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I.  nely filed  the mailing date of this communication.  D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 28 Ap	<u>oril 2006</u> .					
,—	•	action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposit	ion of Claims						
4)🖂	Claim(s) 7-9 and 13-15 is/are pending in the ap	oplication.					
-	4a) Of the above claim(s) is/are withdraw						
5)[	Claim(s) is/are allowed.						
6)⊠	Claim(s) 7,13 and 14 is/are rejected.						
•	Claim(s) 8,9 and 15 is/are objected to.						
8)	Claim(s) are subject to restriction and/or	r election requirement.					
Applicat	ion Papers						
9)	The specification is objected to by the Examine	r.					
10)	The drawing(s) filed on is/are: a) acce	epted or b) objected to by the I	Examiner.				
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correct						
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority (	under 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
۵,	1. Certified copies of the priority documents	s have been received.					
	2. Certified copies of the priority documents		on No				
	3. Copies of the certified copies of the prior	rity documents have been receive	ed in this National Stage				
	application from the International Bureau	ı (PCT Rule 17.2(a)).					
* (	See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachmer							
4) M Nasi	nt(s)						
	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

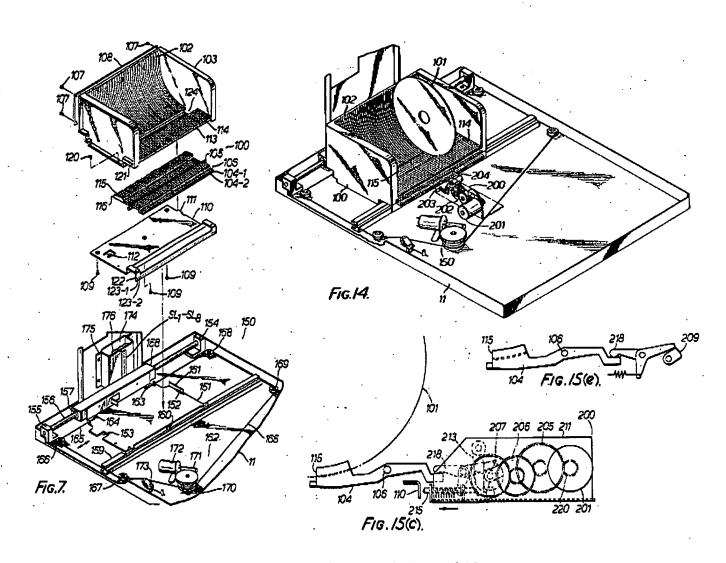
A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claim 7 is rejected under 35 U.S.C. 102(b) as being anticipated by Kawakami 2. (US Patent Number 4695990). Kawakami (Figures 7, 14, 15c, and 15e) discloses a disc storage unit comprising a case (11, etc.), a tray (103) supported by the case and configured to support an array of discs in respective parallel substantially vertical planes across which respective coaxial axes of the discs pass substantially horizontally, a discraising mechanism (106) comprising a plurality of fingers (forming sides of grooves 115) activatable to lift one of the discs from the tray within its respective plane to thereby render the disc non-coaxial with other discs that might be supported by the tray, a pivot bar (actuation, motor side of an arm 104) having a slidably mounted carriage beam (disc side of an arm 104, slidable relative to other arms if not shaft 105) from which said fingers extend and a crank arm (arm at end of pivot bar for mating with 218); an indexing mechanism (150) configured to cause the disc-raising mechanism to raise others of said discs in a like manner; an electric motor (201) for pivoting the pivot bar; and a gearbox (205, 206, etc.) that reduces output speed of the electric motor (see for example column 6 lines 63-64) and drives the pivot bar, wherein the gearbox comprises

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an output gear (209) having an eccentric pin to which a link (218) is attached wherein said link is attached to said crank arm.



Kawakami '990 Figure 7, 14, 15c, and 15e

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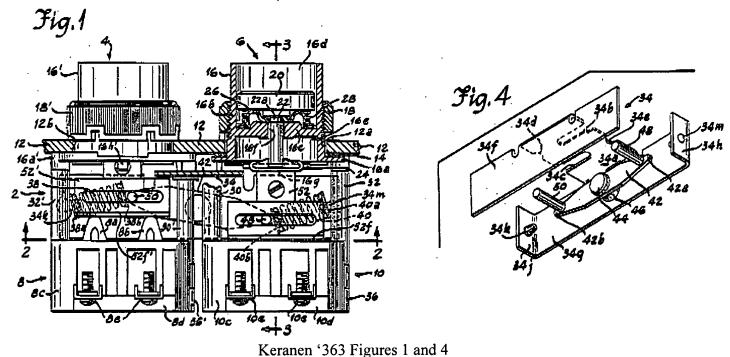
### Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable 4. over Kawakami in view of Keranen (US Patent Number 4177363). Kawakami discloses a disc storage unit comprising a case (11, etc.), a tray (103) supported by the case and configured to support an array of discs in respective parallel substantially vertical planes across which respective coaxial axes of the discs pass substantially horizontally, a discraising mechanism (106) comprising a plurality of fingers (forming sides of grooves 115) activatable to lift one of the discs from the tray within its respective plane to thereby render the disc non-coaxial with other discs that might be supported by the tray, a pivot bar (actuation, motor side of an arm 104) having a slidably mounted carriage beam (disc side of an arm 104, slidable relative to other arms if not shaft 105) from which said fingers extend; an indexing mechanism (150) configured to cause the disc-raising mechanism to raise others of said discs in a like manner; and an electric motor (201) for pivoting the pivot bar; but does not disclose an assembly of interconnected switches. Keranen (Figures 1 and 4) discloses a switch mechanism having two momentary switches (8, 10), a slide switch (52') and two push buttons (4, 6), one of the momentary switches activatable by one of the pushbuttons and the other momentary switch being activatable by the other pushbutton, the slide switch being activatable by both

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pushbuttons, and a pair of pivotable elbows (42a, 48; and 42b, 50), each elbow having one arm (42a and 42b) co-operating with one of the pushbuttons and one of the momentary switches and another arm (48 and 50) co-operating with the slide switch. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include a switch assembly as taught by Keranen in Kawakami's storage unit because of the additional motor control this could provide.



#### Allowable Subject Matter

Claims 8, 9, and 15 are objected to as being dependent upon a rejected base 5. claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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## Response to Arguments

6. Applicant's arguments, see first page of remarks, filed 28 April 2006, with respect to the objection to the specification and the 35 USC 112 rejection of claims 8, 9, and 15 have been fully considered and are persuasive. The objection to the specification and 35 USC 112 rejection of the above claims have been withdrawn.

7. The remainder of Applicant's arguments with respect to claims 7-9 and 13-15 have been considered but are moot in view of the new grounds of rejection based on newly found art.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Gabler whose telephone number is (571) 272-6038. The examiner can normally be reached on Monday through Friday, 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on (571) 272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PFG // 5/26/2006

> JAMES O. HANSEN PRIMARY EXAMINER